

Product datasheet for **RC240245**

JMJD1C (NM_001282948) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JMJD1C (NM_001282948) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	JMJD1C
Synonyms:	KDM3C; TRIP-8; TRIP8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC240245 representing NM_001282948 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC240245 representing NM_001282948
 Red=Cloning site Green=Tags(s)

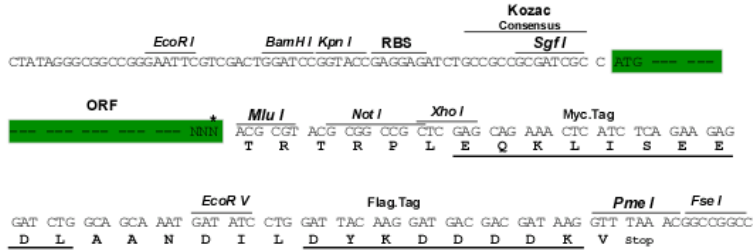
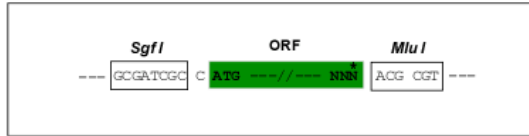
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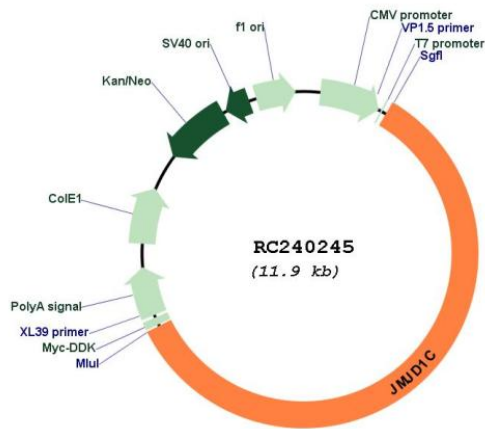
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001282948

ORF Size: 7074 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001282948.1](#), [NP_001269877.1](#)

RefSeq Size: 8675 bp

RefSeq ORF: 7077 bp

Locus ID: 221037

UniProt ID: [Q15652](#)

Cytogenetics: 10q21.3

Protein Families: Druggable Genome

MW: 263.6 kDa

Gene Summary: The protein encoded by this gene interacts with thyroid hormone receptors and contains a jumonji domain. It is a candidate histone demethylase and is thought to be a coactivator for key transcription factors. It plays a role in the DNA-damage response pathway by demethylating the mediator of DNA damage checkpoint 1 (MDC1) protein, and is required for the survival of acute myeloid leukemia. Mutations in this gene are associated with Rett syndrome and intellectual disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]